Index of Claims

**Allowed** 

| Application/Control No |  | Appl | icatio | n/Cont | rol | No |
|------------------------|--|------|--------|--------|-----|----|
|------------------------|--|------|--------|--------|-----|----|

Yasin M. Barqadle

09/888,544

Applicant(s)/Patent under Reexamination

RUSSELL, LANCE W. Art Unit

2153

Examiner

Rejected

(Through numeral) Cancelled Restricted

Non-Elected N ı Interference

Appeal Α 0 Objected

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| 1 v   | <u> ۲</u> |      | $\vdash$                                | $\Box$         |  |                |          |  |          |          | $\dashv$        |
| 6 v 7 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9   | Final     |      | 7/2/06                                  |                |  |                |          |  |          |          |                 |
| 6 v 7 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9   |           | 1    | v                                       |                |  |                |          |  |          |          |                 |
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| 6 v 7 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9   |           | 3    | <u> </u>                                | $\vdash$       | $\vdash$   | _              |          | _  |          |          |                 |
| 6 v 7 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9   | _         | 7    | ١,,                                     | ┢╾             | ├  | $\vdash$       | -        |  |          |          | -               |
| 6 v 7 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9   |           | -    | _                                       | H              | ┢  | <u> </u>       | _        |  | -        |          | -               |
| 8       -   |           |      | _                                       | H              | ⊢  | ⊢              |          | _  |          | _        | -               |
| 8       -   |           | -    | V                                       | <u> </u>       | <u> </u>   | <u> </u>       | _        |  |          | _        | -               |
| 9 -   |           |      | -                                       | _              | <u> </u>   | L              | Ш        | _  |          |          | Н               |
| 10 -  | <u> </u>  | 8    | ـــــــــــــــــــــــــــــــــــــــ | _              |  | L              | $\vdash$ |  | L        |          | Ш               |
| 11       -         12       v         13       v         14       -         15       -         16       -         17       -         18       -         19       v         20       -         21       v         22       v         23       v         24       v         25       v         26       v         27       v         28       -         29       30         31       32         33       34         35       36         37       38         39       40         41       42         43       44         44       45         46       47         48       49   |           |      | Ŀ                                       |                | L  | _              | _        |  |          |          | Ш               |
| 12  |           |      | -                                       |                |  | L              |          |  |          |          | Ш               |
| 12  |           | 11   | -                                       |                |  |                |          |  |          |          | Ш               |
| 16   -  | L         | 12   | v                                       | L              | L  | L              | L        |  |          |          |                 |
| 16   -  |           | 13   | ٧                                       |                |  |                |          |  |          |          |                 |
| 16   -  |           | 14   | —                                       | Γ              |  |                |          |  |          |          |                 |
| 16   -  |           | 15   | -                                       | П              |  |                |          |  |          |          |                 |
| 177 - 188 - 199 v |           | 16   | -                                       |                |  | Г              | _        | _  |          | Т        | М               |
| 19 v 20 - 21 v 22 v 23 v 24 v 25 v 26 v 27 v 28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49   | <b></b> - | 17   | Ι-                                      | Ι              | Ι  | $\vdash$       | _        | $\vdash$   | Н        | _        | Н               |
| 19 v 20 - 21 v 22 v 23 v 24 v 25 v 26 v 27 v 28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49   |           | 19   | Ť                                       | -              | -  | -              | -        | H  | $\vdash$ | $\vdash$ | Н               |
| 20 - 21 v 22 v 23 v 24 v 25 v 26 v 27 v 28 28 29 30 30 31 32 33 34 34 35 36 37 38 39 40 40 41 42 42 43 44 44 45 46 47 48 48 49 49   |           | 10   | <del>-</del>                            | -              | ⊢  | -              | ┝        | <u> </u>   | H        | ⊢        | Н               |
| 21 v 22 v 23 v 24 v 25 v 26 v 27 v 28 28 29 30 31 31 32 33 34 35 35 36 37 38 39 40 40 41 42 42 43 44 44 45 45 46 47 48 48 49  |           | 19   |   | ⊢              | -  | -              | ├        | $\vdash$   | H        |          | Н               |
| 22  |           | 20   | _                                       | -              | <u> </u>   | _              | <u> </u> | -  |          | <u> </u> | Н               |
| 23  |           |      |   | ┡              | <u> </u>   | _              | _        |  | <u> </u> | ļ        | Ш               |
| 24 v 25 v 26 v 26 v 27 v 28 28 29 30 31 31 32 33 34 34 35 36 37 38 39 40 40 41 42 43 44 44 45 45 46 47 48 48 49   |           | 22   |   | <u>_</u>       | <u> </u>   | _              | _        | _  | _        | <u> </u> | Ш               |
| 25  |           | 23   | •                                       |                | Щ  | <u>L</u>       | _        | _  | <u> </u> |          | Ш               |
| 26 v 27 v 28 28 29 30 30 31 31 32 33 34 34 35 36 37 38 39 40 41 42 42 43 44 45 45 46 47 48 49 49  |           |      |   | L              | _  | L              |          | _  | L        |          | Щ               |
| 27 v 28 29 30 30 31 31 32 33 34 34 35 36 37 38 39 40 41 42 42 43 44 45 45 46 47 48 49 49  |           | 25   |   | <u>L</u>       |  |                | L        |  |          |          | Ш               |
| 28  |           | 26   | v                                       |                | L  | L              |          | L  | <u> </u> |          |                 |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           | 27   | V                                       |                | L  | L              | L        | <u> </u>   | L        |          |                 |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           | 28   | _                                       |                | _  | L              | _        |  |          |          |                 |
| 31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  | l         | 29   |   |                |  |                |          | L  | <u></u>  |          |                 |
| 31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  |           | 30   | П                                       |                |  |                |          |  |          |          |                 |
| 32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  |           | 31   | Г                                       |                |  |                |          |  | Г        |          |                 |
| 33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           | 32   | Г                                       | Г              |  |                |          |  |          |          |                 |
| 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  |           |      |   |                |  | Т              |          |  | $\vdash$ |          |                 |
| 35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           | 34   |   | П              |  |                | Г        |  |          |          |                 |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           |      | $\vdash$                                | Г              |  | Г              |          |  |          |          |                 |
| 38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  |           | 36   | $\vdash$                                |                |  |                |          |  | -        | ┢        | $\vdash$        |
| 38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48  | <b></b>   | 37   | -                                       | $\vdash$       | $\vdash$   |                | $\vdash$ | <del>                                     </del> | -        | $\vdash$ | $\vdash \vdash$ |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  | $\vdash$  | 38   | -                                       | $\vdash$       | ┢  | -              | ╁        | -  | -        | ┝        | Н               |
| 40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  |           | 30   | ┢                                       | ┢              | $\vdash$   | ┢              | +-       | ┢  | ⊢        | ├        | Н               |
| 41  |           | 40   | ╁╌                                      | ⊢              | $\vdash$   | -              | -        | -  | ├        | -        | Н               |
| 42<br>43<br>44<br>45<br>46<br>47<br>48<br>49  | <u> </u>  |      | ⊢                                       | -              | ⊢  | -              |          | ┝  | -        | ⊢        | Н               |
| 43<br>44<br>45<br>46<br>47<br>48<br>49  | -         | 41   | ╁╌                                      | ⊢              | ├  | -              | -        | _  | -        | -        | Н               |
| 44 45 46 47 48 49 49 49 49 49 49 49 49 49 49 49 49 49   | <u> </u>  |      | ├-                                      | $\vdash$       | $\vdash$   | <del>  -</del> | <b>⊢</b> | ├  | ⊢-       | ⊢−       | $\vdash$        |
| 45<br>46<br>47<br>48<br>49  | <u> </u>  |      | ⊢                                       | ├-             | -  | +-             | ⊢        | <del> </del>                                     | ├-       | $\vdash$ | Н               |
| 46<br>47<br>48<br>49  | <u> </u>  |      | <u> </u>                                | <del>  -</del> | -  | <del> </del> — | ⊢_       | <u> </u>   | <u> </u> | <b> </b> | $\vdash \vdash$ |
| 47<br>48<br>49  | <u> </u>  | 45   | -                                       | ├-             | ⊢-   | ┞-             | <b>L</b> | <u> </u>   | 1_       | 匚        | Щ               |
| 48 49   | <u></u>   | 46   |   | <b>Ļ</b> _     | <b>⊢</b>   | $\vdash$       | <u> </u> | L  | ļ        | <u> </u> | Щ               |
| 49  | <u> </u>  |      | <u> </u>                                | $\vdash$       | <u> </u>   | <b> </b> _     | <u> </u> | <u> </u>   | L_       | <u> </u> | Ш               |
|   | <u></u>   | 48   | $oxed{oxed}$                            | <u> </u>       | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | L              | _        | L  |          | <u>L</u> | Ш               |
| 50  |           |      |   | L              | oxdot  | ┖              | L        | Ĺ  | Ĺ        |          | $oxed{oxed}$    |
| <del></del>   |           | 50   |   |                | Ĺ  | 匚              |          | $\mathbb{L}^{-}$                                 |          |          |                 |

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|----------|----------------------------------|--|----------|----------|--|----------------|--|----------|--|------------------------|
|          |                                  |  |          |          |  |                |  |          |  |                        |
| Final    | Original                         |  |          |          |  |                |  |          |  |                        |
| ij       | rig                              |  |          |          |  |                |  |          |  |                        |
|          | 0                                |  |          |          |  |                |  |          |  |                        |
|          | 51                               |  |          |          |  |                |  |          |  |                        |
|          | 51<br>52                         |  |          |          |  | П              | _  |          |  |                        |
|          | 53                               |  |          | _        |  | П              |  | _        |  |                        |
|          | 54                               | $\vdash$   |          | _        |  | Н              |  |          |  |                        |
|          | 54<br>55                         | -  |          |          | _  |                |  |          |  | =                      |
|          | 56                               | $\vdash$   | -        | _        |  | Н              |  |          |  | $\dashv$               |
| <b></b>  | 56<br>57                         | $\vdash$   | _        |          |  | Н              | $\vdash$   |          |  | Н                      |
|          | 58                               |  | _        | H        |  | Н              |  | _        | -  | Н                      |
| <u> </u> | 59                               | H  | _        | -        |  |                |  |          | _  | H                      |
| $\vdash$ | 60                               | $\vdash$   | _        | $\vdash$ |  | -              | _  |          |  | Н                      |
| <b></b>  | 61                               | -  | _        |          |  |                |  | -        | -  | Н                      |
| <u> </u> | 62                               |  |          | $\vdash$ | -  | $\vdash$       | H  |          | $\vdash$   | Н                      |
| $\vdash$ | 62<br>63                         |  |          | -        | -  | $\vdash$       | ├  | $\vdash$ |  | Н                      |
|          | 64                               | Н  | -        | $\vdash$ | -  | <del> </del>   | -  | -        | $\vdash$   | $\vdash\vdash$         |
| <u> </u> | 64<br>65                         |  | $\vdash$ | -        | <del> </del>                                     | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash \vdash \vdash$ |
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| <u> </u> | 68                               |  | _        | <u> </u> | _  | _              | <u> </u>   |          | <u> </u>   | Н                      |
| <u> </u> | 69                               |  | <u> </u> | _        | <u> </u>   |                | <u> </u>   | <u> </u> |  | Н                      |
|          | 70<br>71                         | _  | <u> </u> | _        | L_   | $oxed{oxed}$   | <u> </u>   | _        | <u> </u>   | Ш                      |
|          | 71                               | _  | _        | _        | <u> </u>   | _              |  | _        | L  | Ш                      |
|          | 72                               |  |          | L        |  | <u> </u>       | <u> </u>   |          | L  | Ш                      |
|          | 72<br>73<br>74<br>75<br>76<br>77 |  | _        | <u> </u> | <u> </u>   |                |  |          | L  |                        |
|          | 74                               |  | L        |          | _  | _              | <u> </u>   | L        | L  | Щ                      |
|          | 75                               |  |          |          | <u> </u>   |                |  |          | _  | Ш                      |
|          | 76                               | L  |          |          |  |                | L  |          | $ldsymbol{ld}}}}}}$ | Ш                      |
|          | 77                               | $ldsymbol{ld}}}}}}$ | L        | L        | L  |                |  | _        | L  | Ш                      |
|          | 78                               | L  | L        | L        |  |                | L  |          | L_   | Ш                      |
|          | 79                               |  |          |          |  |                |  |          |  |                        |
|          | 80                               |  | <u>_</u> |          | L  |                |  |          |  |                        |
|          | 81                               |  |          |          |  | L              |  |          |  |                        |
|          | 82                               |  |          |          |  |                |  |          |  |                        |
|          | 83                               |  |          | L.       |  |                |  |          |  |                        |
|          | 84                               |  |          |          |  |                |  |          |  |                        |
|          | 85                               |  |          |          |  |                |  |          |  |                        |
|          | 86                               |  |          |          |  |                |  |          |  |                        |
|          | 87                               |  |          |          |  |                |  |          |  |                        |
|          | 88                               |  |          |          |  |                |  |          |  |                        |
|          | 89                               |  |          |          |  |                |  |          |  |                        |
|          | 90                               |  |          |          |  |                |  |          |  |                        |
|          | 91                               |  |          |          |  |                |  |          |  |                        |
|          | 92                               |  |          |          |  |                |  |          |  |                        |
|          | 93                               | Г  | Г        | Г        | П  |                | П  | П        | Γ  | П                      |
|          | 94                               | Г  | 1        | 1        | Г  | Ī              | 1  | 1        |  | П                      |
|          | 95                               |  |          | Ι-       |  | T              | Γ  |          | Ι  | П                      |
|          | 96                               |  |          | Τ        | $\vdash$   | Т              | 1  | $\vdash$ | Г  | $\vdash$               |
|          | 97                               | 1  | 1        | 1        | $\vdash$   | $\vdash$       | 1  | $\vdash$ | 1  | $\vdash$               |
| <b>-</b> | 98                               | $\vdash$   | 1        | ┢        | <del>                                     </del> | $\vdash$       | 1  | <u> </u> | 1  | $\vdash$               |
|          | 99                               | $\vdash$   | H        | ╁╌       | $\vdash$   | $\vdash$       | <del>                                     </del> | ┢        | $\vdash$   | $\vdash$               |
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| Cla          | Date   |              |  |  |  |  |          |  |  |                 |
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| a            | Original   |              |  |  |  |  |          |  |  |                 |
| Final        | rig  |              |  |  |  |  |          |  |  |                 |
| _            |  |              |  |  |  |  |          |  |  |                 |
|              | 101<br>102<br>103                                    | -            | _  |  |  |  | _        |  | $\exists$  | $\dashv$        |
|              | 102  | -            |  | $\vdash$   |  |  |          | Н  |  | $\dashv$        |
| <del></del>  | 103  | _            |  | ┢┈   |  | _  | _        |  | $\dashv$   | $\dashv$        |
|              | 104  |              | -  |  |  | _  | _        | Н  |  | 一               |
|              | 104<br>105<br>106                                    | _            |  |  | $\vdash$   | _  |          | Н  | Ħ  | -               |
|              | 106  | _            | _  | $\vdash$   |  | $\vdash$   |          |  | $\dashv$   | $\dashv$        |
|              | 107  | -            |  | $\vdash$   |  | _  | $\vdash$ | $\vdash$   | -  | $\dashv$        |
|              | 107<br>108   | $\vdash$     |  | $\vdash$   |  |  |          |  |  | $\dashv$        |
|              | 109  | H            | _  |  | _  | -  | _        | $\vdash$   |  | $\dashv$        |
|              | 110  | ┝            |  | -  |  |  |          | Н  | $\vdash$   | $\dashv$        |
|              | 110  | ⊢            |  | ┝  |  | _  |          | Н  | H  | Н               |
|              | 111  | ⊢            | ⊢  | H  | H  | $\vdash$   |          | H  | -  | Н               |
|              | 112  | $\vdash$     | ⊢  | ⊢  | $\vdash$   | $\vdash$   | H        | -  | Н  | Н               |
|              | 110<br>111<br>112<br>113<br>114                      | ├            | $\vdash$   | -  |  | <del> </del>                                     | <u> </u> | <u> —</u>  | Н  | $\vdash\dashv$  |
|              | 114  | <del> </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <u> </u> | $\vdash$   | Щ  | $\vdash \vdash$ |
|              | 115<br>116<br>117                                    | ⊢            | <del> </del>                                     | H  | $\vdash$   | $\vdash$   | <u> </u> | <u> </u>   | Щ  | $\vdash$        |
|              | 116  | <u> </u>     | _  | _  | _  | <u> </u>   | _        |  |  | Щ               |
|              | 117  | <u> </u>     | ļ  | _  | <u> </u>   | ļ  | <u> </u> | Ŀ  | _  | Н               |
|              | 118<br>119   | _            | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | _        |  |  | Ш               |
|              | 119  | _            | L_   | L.   | L_   | L_   | <u> </u> | _  |  |                 |
|              | 120  | <u> </u>     |  | <u></u>  | _  | L_   | _        |  |  |                 |
|              | 121  |              | <u> </u>   | L  | <u>L</u>   | 匚  |          |  |  | Ш               |
|              | 122  |              | <u></u>  | <u> </u>   |  |  | <u> </u> |  |  | Ш               |
|              | 123  |              | <u> </u>   |  |  | L  |          |  |  |                 |
|              | 120<br>121<br>122<br>123<br>124<br>125               |              | <u>_</u>   |  |  |  | _        | L  |  |                 |
|              | 125  |              |  |  |  |  |          |  |  |                 |
|              | 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 |              |  |  |  |  |          |  | Ĺ  |                 |
|              | 127  |              |  |  |  |  |          |  |  |                 |
|              | 128  |              |  |  |  |  |          |  |  |                 |
|              | 129  |              |  | Г  |  |  |          |  |  |                 |
|              | 130  |              |  | T-   |  |  |          |  |  |                 |
|              | 131  |              |  |  |  |  |          |  |  |                 |
|              | 132  | Г            |  |  |  |  |          |  | Г  |                 |
|              | 133  |              |  |  |  |  |          | Г  |  |                 |
|              | 134  |              |  |  |  |  |          |  |  | П               |
|              | 134<br>135<br>136                                    | Π            |  | Π  | П  |  |          | Г  |  | П               |
|              | 136  |              |  | Π  |  |  |          |  |  | П               |
|              | 137  |              | Π  | $\vdash$   | T  | Г  |          | Г  | Г  | П               |
|              | 137<br>138   |              | Г  | Г  | 1  | П  |          |  | Г  | П               |
|              | 139  | $\vdash$     | Г  | T  | T  | Ι_   |          | T  | $\vdash$   | П               |
|              | 139<br>140   |              |  | T  | Г  | 1  |          |  | Т  | П               |
| <u> </u>     | 141  |              | T -  | $\vdash$   | T  |  | T -      |  | Т  | Н               |
|              | 142  | H            | $\vdash$   |  | $\vdash$   | t  | $\vdash$ | $\vdash$   |  | Н               |
| <b>-</b>     | 143  | $\vdash$     | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |  | $\vdash$ | $\vdash$   | $\vdash$   | Н               |
| <del></del>  | 144  | ┢            | $\vdash$   | H  | $\vdash$   | $\vdash$   |          | H  | $\vdash$   | Н               |
| <u> </u>     | 145  | $\vdash$     | -  | $\vdash$   | $\vdash$   | <del>                                     </del> | 1        | <del>                                     </del> | 1  | Н               |
| $\vdash$     | 146  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | Н               |
|              | 147  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$        |
| <del> </del> | 148  | -            | $\vdash$   | ┼  | Η-   | <del>  -  </del>                                 | +-       | 1  | $\vdash$   | $\vdash$        |
| <del> </del> | 149  | <del> </del> | ⊢  | ╁  | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | ├  | $\vdash$        |
| <del> </del> |  | -            | ╁  | -  | ├  | -  | $\vdash$ | ╁  | -  | Н               |
| L            | 150  |              | Ц.   | 1  | Ц_   | L  |          | Ц_   | L_   | ш               |
|              |  |              |  |  |  |  |          |  |  |                 |